

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

February

2009

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

March 18, 2009

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☒ An X inside this box indicates that no flooding occurred within this hydrologic service area.

The month of February was dominated by dry and warmer than normal conditions. The only rainfall recorded during the month was associated with the arrival of a strong upper level system from the 8th through the 10th. Rainfall was scattered across the entire Hydrologic Service Area (HSA) with a few areas receiving up to one inch of rain. Generally most of the region received 0.10 to 0.50 of an inch of rain.

The average precipitation reported from coop observers in February was 0.46 of an inch. The highest monthly precipitation total of 1.20 inches was reported in Throckmorton County. Coop observers in Crockett and Throckmorton Counties received over one inch of precipitation in February.

The San Angelo Regional Airport received 0.48 of an inch of precipitation during February, which was 0.70 of an inch below normal for the month. The monthly normal rainfall for San Angelo in February is 1.18 of an inch.

The Abilene Regional Airport received 0.29 of an inch of precipitation during February, which was 0.84 of an inch below normal for the month. The monthly normal rainfall for Abilene in February is 1.13 of an inch.

Junction received 0.37 of an inch of rain during February. The estimated average monthly rainfall in February is about 1.5 inches.

As the dry conditions persisted through the month, impacts from the drought intensified. The U.S. Drought Monitor expanded exceptional drought conditions into Mason County and parts of Kimble County. Extreme drought conditions were experienced across the southern Heartland, eastern Concho Valley and eastern portions of the Northern Edwards Plateau. The remainder of the HSA endured severe drought conditions during the month.

Coop Observer Rainfall Totals for February, 2009:

Station Name	Amount (in)		Station Name	Amount (in)
Abilene 2	0.27		Merkel 12SW	0.46
Acton Ranch	0.21		Mertzon 12WNW	0.41
Albany	0.16		Ozona	1.05
Anson	0.25		Ozona 2	1.11
Ballinger 2NW	0.34		Ozona 22SE	0.16
Blackwell 6NE	0.45		Paint Rock	0.35
Brady	0.73		Putnam	0.29
Brownwood	0.49		Red Bluff Crossing	0.60
Burkett	0.53		Roscoe	0.47
Coleman	0.65		Rotan	0.30
Concho Park	0.59		San Angelo WFO	0.50
Eden	0.69		San Saba 7NW	0.40
Eldorado	0.46		Santa Anna 12SSE	0.56
Eldorado 10W	0.58		Silver Valley	0.45
Fort Griffin	0.25		Sonora	0.35
Fort McKavett	0.46		Stamford	0.32
Glen Cove 2NE	0.46		Sterling City	0.42
Hamlin	0.46		Taylor Ranch	M
Haskell	0.28		Telegraph	M
Hords Creek	0.55		Throckmorton 7NE	1.20
Humble Pump	0.15		Water Valley	0.37
Junction 4SSW	0.24		Water Valley 11NE	0.45
Lawn	0.68		Winters 1NE	0.43
London 3N	0.68		Woodson	0.21
Mason	0.19		(M) <i>Missing data</i>	
Menard	0.58		(T) <i>Trace</i>	

Reservoir Conditions (end of February, 2009)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	60,540	86
Lake Stamford	52,700	34,190	66
Hubbard Creek Lake	317,800	259,130	81
Hords Creek Lake	8,800	4,810	59
Lake Brownwood	131,428	100,970	77
E.V. Spence	488,760	50,140	10
O.C. Fisher	119,200	5,750	5
O.H. Ivie	554,340	297,800	54
Twin Buttes	177,800	58,040	33

Hydro Products Issued

ESF = 1

DGT = 1 (Drought Statement)

The NWS precipitation analysis can be viewed at <http://water.weather.gov/>.

The total monthly precipitation estimate and percent of normal precipitation for February across the San Angelo HSA is depicted below.

